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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/697,123B

DATE: 01/22/2002

TIME: 09:46:20

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I697123B.raw

ENTERED

3 <110> APPLICANT: ERUME BIOTECH CO., LTD.

5 <120> TITLE OF INVENTION: rpoB gene fragments and a method for the diagnosis and identification of

6 Mycobacterium tuberculosis Mycobacterial strains

8 <130> FILE REFERENCE: PUS-001027

10 <140> CURRENT APPLICATION NUMBER: US 09/697,123B

11 <141> CURRENT FILING DATE: 2000-10-27

13 <150> PRIOR APPLICATION NUMBER: KR 1999-46795

14 <151> PRIOR FILING DATE: 1999-10-27

16 <160> NUMBER OF SEQ ID NOS: 26

18 <170> SOFTWARE: PatentIn version 3.0

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 208

22 <212> TYPE: DNA

23 <213> ORGANISM: Mycobacterium gordonaiae I

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28 gcctgcacgt cggcgatccg atcaccagct ccacgtcgac cgaggaagac gtcgtcgcca 120

30 ccatcgagta cctggtccgc ctgcacgagg gccagcacac gatgaccgtc cggggcgca 180

32 ccgaggtgcc ggttgagacc gacgacat 208

35 <210> SEQ ID NO: 2

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37 <212> TYPE: DNA

38 <213> ORGANISM: Mycobacterium gordonaiae II

40 <400> SEQUENCE: 2

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43 gtctgaacgt cggcaagccg atcaccagct cgacgtcgac cgaggaagac gtcgtcgcca 120

45 ccatcgagta cctggtccgg ctgcacgagg gtcagtcggc gatgacgggtt cccggcgcg 180

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50 <210> SEQ ID NO: 3

51 <211> LENGTH: 208

52 <212> TYPE: DNA

53 <213> ORGANISM: Mycobacterium gordonaiae III

55 <400> SEQUENCE: 3

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60 ccatcgagta cctggtccgt ctgcacgagg gtcagcacac gatgaccgtt cccggcgca 180

62 ccgaggttcc ggttgagacc gacgacat 208

65 <210> SEQ ID NO: 4

66 <211> LENGTH: 207

67 <212> TYPE: DNA

68 <213> ORGANISM: Mycobacterium gordonaiae IV

70 <400> SEQUENCE: 4

71 tcaaggagaa ggcgtacgac ctggcccggt tggcccta caaggtcaac aagaagctgg 60

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75	ccatcgagta	cctggtccgc	ctccacgagg	gtcagcacac	gatgacgttc	cgggcgggac	180
77	cgaggttccg	gtggagaccg	acgacat				207
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88	ggctgcatgt	cgcgagccc	atcacgtcg	cgacgctgac	cgaagaagac	gtcgtggcca	120
90	ccatcgata	tctggtccgc	ttgcacgagg	gtcagaccac	gatgaccgtt	ccggcggcg	180
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103	ggctgcatgt	cgcgagccc	atcacgtcg	cgacgctgac	cgaagaagac	gtcgtggcca	120
105	ccatcgata	tctggtccgc	ttgcacgagg	gtcagaccac	gatgaccgtt	ccggcggcg	180
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120	tcgcccacat	cgggtacctg	gtgcgcctgc	acgagggcc	gaccacgtg	accgcccccg	180
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133	gcctgaacac	caatcatccg	atcaccacga	cgacgctgac	cgaagaagac	gtcgtcgcca	120
135	ccatcgagta	tctggtccgc	ctgcacgagg	gccaggccac	gatgaccgtg	ccggcgggg	180
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148	gtctgcacgc	cgcgagccg	atcacgtcg	ccacgctgac	cgaggaagac	gtcgtcgca	120
150	ccatcgata	cctggtccgg	ctgcacccacg	ccgtacgga	tggccagccc	gccgtcatga	180
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156 <211> LENGTH: 208
 157 <212> TYPE: DNA
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 167 tcgaggtgcc ggtcgagacc gacgacat 208
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 173 <213> ORGANISM: Mycobacterium marinum
 175 <400> SEQUENCE: 11
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 178 gcctgaacgc cggccagccc atcaccagct cgacgctgac cgaggaagac gtcgtcgcca 120
 180 ccatcgaata cctgtccgc ttgcacgagg gccagaccgc gatgaccgct cggggcggtg 180
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 187 <212> TYPE: DNA
 188 <213> ORGANISM: Mycobacterium szulgai
 190 <400> SEQUENCE: 12
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 195 catcgagtagc ctggttcggc tgcacgagg ccagaccacg atgaccgttc cggcggcac 180
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 202 <212> TYPE: DNA
 203 <213> ORGANISM: Mycobacterium gastri
 205 <400> SEQUENCE: 13
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 210 ccatcgagta cctgttcgc ctgcaccacg cctcteaggg tggccaggcc cccgttatga 180
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 223 ggctgccgc ggccgagtcg cccgtacccg ctcgaccac gtcgaccgaa gcccgtatcg 120
 225 tgcaccat cgagtacctg gtgcgcctgc acgagggcca gcaacgatg acggttccccg 180
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 230 <210> SEQ ID NO: 15
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 233 <213> ORGANISM: Mycobacterium avium
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238	gcctgcacgc	cggtagccg	atcaccagct	cgacgctgac	cgaggaagac	gtcgctgcca	120
240	ccatcgagta	cctggtgcgc	ctgcacgagg	gtcagccac	gatgaccgtc	ccggcggca	180
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268	gcctgaacac	cgcgtcccc	atcacgacga	ccactctgac	cgaagaggac	gtcgctgcca	120
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285	ccaccatcga	gtacctgggt	cggctgcattc	agggcgacaa	gacgatgacc	gtcccggtg	180
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315	ccatcgagta	cctggtgcgc	ctgcacgagg	gccagccac	gatgaccgtc	ccggcgtac	180
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330 tgcaccat cgatcacctg gtgcgcctgc acgaggccca gaccacatg accgcccccg 180
332 gcccgtcga ggtgccgtg gatgtggacg acat 214
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337 <212> TYPE: DNA
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347 tcgaggtgcc ggtggaaacc gacgacat 208
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360 ccatcgatcgata cctggcccg ctgcgtcgat gtcagaccac gatgaccgtt ccaggcggcg 180
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368 <213> ORGANISM: Mycobacterium xenopi
370 <400> SEQUENCE: 24
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375 ccatcgataa cctggcccg ttgcacgagg ggcacgaccac gatgaaaggc cccggcggcg 180
377 tcgaggtgcc ggtggagacc gacgacat 208
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382 <212> TYPE: DNA
383 <213> ORGANISM: Artificial Sequence
385 <220> FEATURE:
386 <223> OTHER INFORMATION: Chemically synthesized PCR amplification primer for amplifying
the rpoB
387      region of Microbacterial species
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393 <210> SEQ ID NO: 26
394 <211> LENGTH: 20
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